

ABSTRACT

A narrow band ultraviolet laser device which can restrict a change in temperature gradient at light transmitting sections and maintain laser light at a high grade. To this end, the ultraviolet laser device includes light shielding elements (37A to 37C) having light transmitting sections (47A to 47C) each constituted by an opening for transmitting laser light (11), and light shielding sections (49A to 49C) that surround the light transmitting sections (47A to 47C), remove an undesired laser light (11A) from an optical path and shape the laser light (11) into a predetermined form, wherein heating means (45) for heating the light transmitting sections (47A to 47C) are provided in the vicinity of the light shielding elements (37A to 37C).